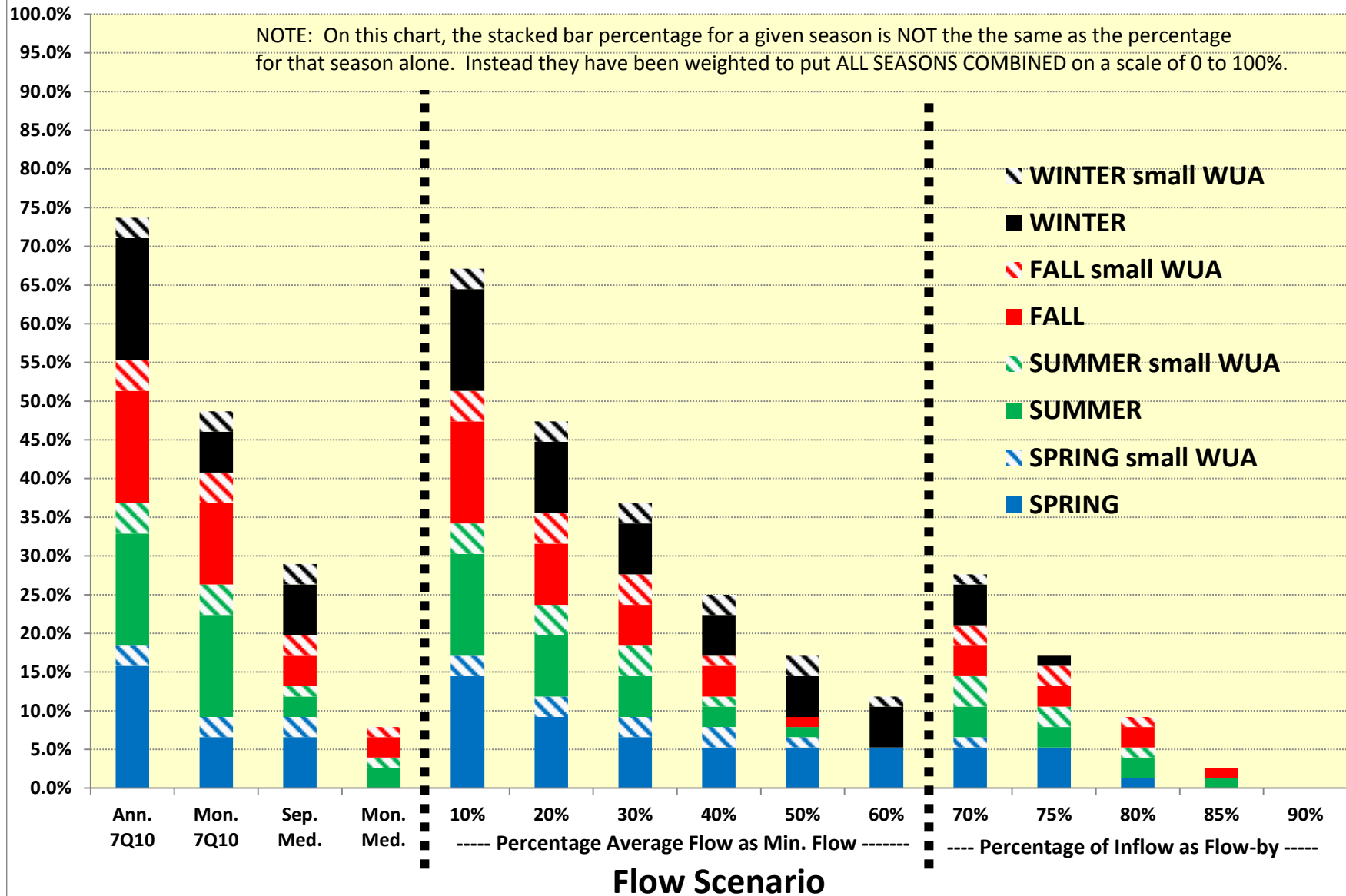


Buffalo Creek - Percentage (weighted equally for each season) of 19 Guilds/Species with Less Than 80% of Unregulated Index B Value



BUFFALO CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
 If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SPRING**

April - June

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1				1										
	SFMODVEL	1	1	1		1	1	1								
	SFHIVEL	1	1	1		1	1	1	1	1	1	1	1			
Deep	DSCOV	1														
	DSCOV2	1				1										
	DSNC	1				1	1									
	DFFINE	1	1	1		1	1	1	1	1	1	1	1			
	DFGRCOB	1	1	1		1	1	1	1	1	1	1	1	1		
	DFCOARSE	1	1	1		1	1	1	1	1	1	1	1			
Other	AMSS2	1	1	1		1	1	1	1	1		1				
	ROBRHS															
	GORHA	0.01	0.01	0.01		0.01	0.01	0.01	0.01							
	GORHJ	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01		0.01				
	AMSS4															
	EPHEM	1				1										
	PLECO	1				1	1									
	TRIC1	1				1										
	MACLR															
	Total out of 19	12.02	5.02	5.02	0	11.02	7.02	5.02	4.02	4.01	4	4.01	4	1	0	0
total > 1000 WUA		12	5	5	0	11	7	5	4	4	4	4	4	1	0	0
total < 1000 WUA		2	2	2	0	2	2	2	2	1	0	1	0	0	0	0
Total out of 19		14	7	7	0	13	9	7	6	5	4	5	4	1	0	0
% for just this season		73.7%	36.8%	36.8%	0.0%	68.4%	47.4%	36.8%	31.6%	26.3%	21.1%	26.3%	21.1%	5.3%	0.0%	0.0%
% weighted equally for each season		18.4%	9.2%	9.2%	0.0%	17.1%	11.8%	9.2%	7.9%	6.6%	5.3%	6.6%	5.3%	1.3%	0.0%	0.0%
% > 1000 WUA		15.8%	6.6%	6.6%	0.0%	14.5%	9.2%	6.6%	5.3%	5.3%	5.3%	5.3%	5.3%	1.3%	0.0%	0.0%
% < 1000 WUA		2.6%	2.6%	2.6%	0.0%	2.6%	2.6%	2.6%	2.6%	1.3%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
3064
13971
14682
19928
12664
19951
19122
1550
1605
8467
9821
5637
3959
13957
38556
729
301
41014
18358
34533

BUFFALO CREEK

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SPRING**

April - June

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	457.8%	174.2%	152.8%	106.6%	356.5%	221.6%	175.4%	143.6%	126.5%	117.7%	126.6%	120.8%	115.8%	111.2%	107.2%
	SSVEG	179.1%	154.5%	145.8%	107.3%	179.6%	172.6%	158.7%	141.8%	127.7%	116.9%	123.7%	119.1%	114.9%	110.8%	107.0%
	SSWOOD	171.8%	150.4%	142.4%	106.8%	172.5%	166.9%	154.4%	138.7%	125.8%	115.6%	122.0%	117.8%	113.9%	110.1%	106.6%
	SSCOARSE	192.6%	176.5%	174.0%	108.1%	195.6%	191.1%	183.6%	169.7%	140.5%	122.5%	134.0%	127.4%	121.3%	115.4%	110.0%
	SSFINENC	173.8%	162.0%	158.6%	105.8%	176.3%	176.6%	169.3%	153.8%	131.3%	116.6%	126.8%	121.2%	116.3%	111.6%	107.4%
	SFLOWVEL	66.4%	122.5%	140.4%	110.2%	75.9%	102.0%	127.7%	140.7%	128.9%	123.2%	116.0%	113.7%	111.3%	108.5%	105.8%
	SFMODEVEL	23.3%	70.0%	78.7%	105.9%	30.4%	51.8%	67.0%	82.3%	95.0%	103.6%	91.1%	93.6%	95.4%	97.1%	98.4%
	SFHIVEL	7.7%	36.4%	34.6%	95.0%	14.3%	28.6%	29.7%	37.7%	64.8%	75.7%	69.8%	75.6%	81.1%	86.5%	91.3%
Deep	DSCOV	68.7%	100.4%	100.4%	100.2%	100.4%	100.4%	100.4%	100.4%	100.4%	100.4%	100.4%	100.3%	100.3%	100.2%	100.2%
	DSCOV2	57.1%	96.0%	104.3%	103.2%	63.4%	82.4%	97.3%	105.7%	106.7%	106.3%	101.2%	101.3%	101.3%	101.1%	100.8%
	DSNC	27.4%	98.7%	118.1%	113.9%	29.1%	64.1%	105.7%	119.5%	121.0%	128.9%	107.0%	106.6%	105.8%	104.5%	103.3%
	DDFINE	7.6%	34.2%	38.8%	93.4%	10.8%	20.2%	30.6%	42.0%	59.1%	75.8%	69.9%	75.7%	81.4%	86.5%	91.3%
	DFGRCOB	0.0%	17.2%	22.0%	87.1%	0.0%	2.2%	12.0%	25.9%	45.9%	63.4%	60.5%	68.0%	74.9%	81.8%	88.2%
	DFCOARSE	23.8%	49.9%	55.6%	89.0%	26.7%	37.1%	47.5%	58.2%	68.4%	77.2%	74.9%	79.3%	83.4%	87.7%	91.8%
Other	AMSS2	4.0%	40.1%	50.4%	94.0%	6.3%	18.4%	35.3%	55.1%	71.7%	83.7%	75.5%	80.5%	84.9%	89.2%	93.1%
	ROBRHS															
	GORHA	20.7%	61.0%	73.5%	94.9%	24.8%	40.5%	60.4%	76.5%	82.7%	89.4%	84.6%	87.8%	90.4%	93.1%	95.5%
	GORHJ	10.6%	48.8%	60.8%	90.7%	14.3%	27.9%	47.2%	64.8%	72.8%	83.1%	77.1%	81.1%	85.0%	89.0%	92.7%
	AMSS4															
	EPHEM	63.1%	100.8%	108.7%	104.2%	70.4%	88.8%	102.1%	109.5%	109.3%	108.0%	103.2%	103.0%	102.6%	102.1%	101.5%
	PLECO	30.8%	89.3%	101.0%	104.5%	41.2%	69.9%	90.4%	102.8%	106.0%	106.8%	99.8%	100.2%	100.5%	100.6%	100.5%
	TRIC1	58.2%	91.1%	97.8%	101.6%	64.7%	80.3%	91.7%	98.7%	100.5%	101.5%	98.3%	98.9%	99.3%	99.7%	99.8%
	MACLR															
	AVERAGE	82.2%	93.7%	97.9%	101.1%	82.7%	87.2%	94.3%	98.4%	99.3%	100.8%	98.1%	98.6%	99.0%	99.3%	99.6%
	MEDIAN	43.9%	93.5%	100.7%	103.7%	52.3%	75.1%	94.5%	101.6%	103.2%	105.0%	100.1%	100.2%	100.4%	100.4%	100.3%
	MINIMUM	0.0%	17.2%	22.0%	87.1%	0.0%	2.2%	12.0%	25.9%	45.9%	63.4%	60.5%	68.0%	74.9%	81.8%	88.2%
	MAXIMUM	457.8%	176.5%	174.0%	113.9%	356.5%	221.6%	183.6%	169.7%	140.5%	128.9%	134.0%	127.4%	121.3%	115.4%	110.0%

BUFFALO CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
 If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SUMMER**

July - September

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1	1			1										
	SFMODEVEL	1	1			1	1	1								
	SFHIVEL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.01	0.01		
Deep	DSCOV	1														
	DSCOV2	1	1			1										
	DSNC	1	1			1	1									
	DFFINE	1	1	1	1	1	1	1	1			1	1	1		
	DFGRCOB	1	1	1	1	1	1	1	1	1		1	1	1	1	
	DFCOARSE	1	1			1	1	1				1				
Other	AMSS2	1	1	1		1	1	1	1			1	1	1		
	ROBRHS															
	GORHA	0.01	0.01			0.01	0.01	0.01				0.01				
	GORHJ	0.01	0.01			0.01	0.01	0.01				0.01	0.01			
	AMSS4															
	EPHEM	1	1			1										
	PLECO	1	1			1	1									
	TRIC1	1	1			1										
	MACLR															
	Total out of 19	11.03	10.03	2.01	2.01	10.03	6.03	4.03	2.01	1	0	3.03	2.02	2.01	1	0
total > 1000 WUA		11	10	2	2	10	6	4	2	1	0	3	2	2	1	0
total < 1000 WUA		3	3	1	1	3	3	3	1	0	0	3	2	1	0	0
Total out of 19		14	13	3	3	13	9	7	3	1	0	6	4	3	1	0
% for just this season		73.7%	68.4%	15.8%	15.8%	68.4%	47.4%	36.8%	15.8%	5.3%	0.0%	31.6%	21.1%	15.8%	5.3%	0.0%
% weighted equally for each season		18.4%	17.1%	3.9%	3.9%	17.1%	11.8%	9.2%	3.9%	1.3%	0.0%	7.9%	5.3%	3.9%	1.3%	0.0%
% > 1000 WUA		14.5%	13.2%	2.6%	2.6%	13.2%	7.9%	5.3%	2.6%	1.3%	0.0%	3.9%	2.6%	2.6%	1.3%	0.0%
% < 1000 WUA		3.9%	3.9%	1.3%	1.3%	3.9%	3.9%	3.9%	1.3%	0.0%	0.0%	3.9%	2.6%	1.3%	0.0%	0.0%

unregulated Index B
4531
19117
19625
30019
17812
22788
15537
861
1611
8295
9807
3098
1683
8963
23444
545
196
41244
17229
32715

BUFFALO CREEK

Table shows percentage of unregulated Index B value achieved by flow scenario

 Season **SUMMER**

July - September

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	309.6%	228.6%	112.4%	106.3%	241.1%	150.1%	123.5%	108.5%	101.9%	99.2%	125.2%	119.9%	115.2%	110.9%	106.8%
	SSVEG	130.9%	130.9%	110.7%	107.2%	131.2%	126.2%	117.4%	108.8%	103.1%	99.4%	113.0%	110.6%	108.6%	106.3%	104.0%
	SSWOOD	128.5%	128.8%	110.4%	107.2%	129.1%	124.9%	116.8%	108.7%	103.3%	99.7%	112.6%	110.3%	108.2%	106.4%	104.2%
	SSCOARSE	127.9%	129.2%	117.9%	113.2%	129.8%	126.9%	122.3%	116.1%	105.3%	99.8%	115.3%	112.8%	110.6%	108.1%	105.4%
	SSFINENC	123.5%	125.4%	115.5%	110.7%	125.3%	125.6%	120.9%	113.3%	104.3%	99.5%	113.9%	111.6%	109.5%	107.1%	104.9%
	SFLOWVEL	58.2%	68.5%	116.7%	115.0%	66.5%	89.0%	108.6%	116.9%	110.3%	107.9%	97.7%	98.8%	99.6%	100.3%	100.7%
	SFMODVEL	28.6%	40.2%	90.0%	95.2%	37.4%	63.5%	79.8%	92.8%	101.5%	106.4%	81.9%	85.4%	88.6%	91.8%	94.9%
	SFHIVEL	13.9%	30.7%	59.2%	70.0%	25.7%	51.5%	53.3%	62.7%	89.7%	98.7%	67.5%	72.4%	77.6%	82.9%	88.9%
Deep	DSCOV	68.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	DSCOV2	58.2%	66.7%	102.3%	103.4%	64.7%	84.0%	97.2%	103.2%	103.5%	103.0%	94.1%	95.5%	96.8%	97.8%	98.7%
	DSNC	27.4%	34.5%	108.3%	109.1%	29.2%	63.8%	98.8%	109.2%	110.0%	113.7%	87.3%	90.1%	92.3%	94.0%	95.3%
	DDFINE	13.9%	21.3%	63.6%	71.8%	19.6%	36.5%	53.0%	67.3%	84.4%	98.5%	64.0%	69.8%	75.7%	81.9%	87.9%
	DFGRCOB	0.0%	0.0%	41.5%	54.2%	0.0%	5.0%	24.8%	47.3%	73.3%	92.3%	39.5%	47.1%	54.8%	63.1%	80.5%
	DFCOARSE	37.1%	43.2%	80.6%	85.6%	41.6%	57.6%	71.7%	83.2%	92.0%	98.4%	77.3%	81.1%	84.8%	88.6%	92.4%
Other	AMSS2	6.6%	12.1%	71.7%	80.8%	10.4%	80.1%	94.0%	76.5%	91.8%	100.9%	65.0%	71.2%	77.1%	83.1%	89.0%
	ROBRHS															
	GORHA	27.7%	35.0%	89.5%	93.2%	33.2%	53.8%	76.9%	92.1%	96.7%	100.9%	79.4%	83.5%	87.0%	90.5%	93.8%
	GORHJ	16.3%	23.5%	83.2%	88.8%	21.9%	42.3%	68.4%	87.2%	93.9%	101.0%	73.5%	78.1%	82.7%	87.2%	91.8%
	AMSS4															
	EPHEM	62.7%	72.0%	104.4%	105.0%	70.0%	88.1%	99.7%	104.9%	104.4%	103.8%	95.3%	96.8%	97.8%	98.3%	99.0%
	PLECO	32.9%	47.3%	101.4%	103.4%	43.9%	74.2%	93.2%	102.6%	104.6%	105.0%	90.0%	92.5%	94.6%	96.5%	98.0%
	TRIC1	61.4%	70.1%	99.7%	100.7%	68.2%	84.6%	95.1%	100.3%	101.5%	101.9%	93.8%	95.2%	96.1%	97.3%	98.3%
	MACLR															
	AVERAGE	66.7%	70.4%	94.0%	96.0%	69.4%	78.9%	88.8%	95.1%	98.8%	101.5%	89.3%	91.1%	92.9%	94.6%	96.7%
	MEDIAN	47.6%	57.0%	100.7%	102.1%	54.3%	79.1%	96.1%	101.5%	101.7%	100.4%	91.9%	93.8%	95.4%	96.9%	98.1%
	MINIMUM	0.0%	0.0%	41.5%	54.2%	0.0%	5.0%	24.8%	47.3%	73.3%	92.3%	39.5%	47.1%	54.8%	63.1%	80.5%
	MAXIMUM	309.6%	228.6%	117.9%	115.0%	241.1%	150.1%	123.5%	116.9%	110.3%	113.7%	125.2%	119.9%	115.2%	110.9%	106.8%

BUFFALO CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season	FALL
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Oct & Nov

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1				1										
	SFMODEVEL	1	1			1	1	1								
	SFHIVEL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.01	0.01		
Deep	DSCOV	1														
	DSCOV2	1	1			1										
	DSNC	1	1			1	1									
	DFFINE	1	1	1	1	1	1	1	1			1	1	1		
	DFGRCOB	1	1	1	1	1	1	1	1	1		1	1	1	1	
	DFCOARSE	1	1	1		1	1	1	1			1				
Other	AMSS2	1	1	1		1	1	1	1			1	1	1		
	ROBRHS															
	GORHA	0.01	0.01			0.01	0.01	0.01								
	GORHJ	0.01	0.01	0.01		0.01	0.01	0.01				0.01	0.01			
	AMSS4															
	EPHEM	1				1										
	PLECO	1	1			1	1									
	TRIC1	1	1			1										
	MACLR															
Total out of 19		11.03	8.03	3.02	2.01	10.03	6.03	4.03	3.01	1	0	3.02	2.02	2.01	1	0
total > 1000 WUA		11	8	3	2	10	6	4	3	1	0	3	2	2	1	0
total < 1000 WUA		3	3	2	1	3	3	3	1	0	0	2	2	1	0	0
Total out of 19		14	11	5	3	13	9	7	4	1	0	5	4	3	1	0
% for just this season		73.7%	57.9%	26.3%	15.8%	68.4%	47.4%	36.8%	21.1%	5.3%	0.0%	26.3%	21.1%	15.8%	5.3%	0.0%
% weighted equally for each season		18.4%	14.5%	6.6%	3.9%	17.1%	11.8%	9.2%	5.3%	1.3%	0.0%	6.6%	5.3%	3.9%	1.3%	0.0%
% > 1000 WUA		14.5%	10.5%	3.9%	2.6%	13.2%	7.9%	5.3%	3.9%	1.3%	0.0%	3.9%	2.6%	2.6%	1.3%	0.0%
% < 1000 WUA		3.9%	3.9%	2.6%	1.3%	3.9%	3.9%	3.9%	1.3%	0.0%	0.0%	2.6%	2.6%	1.3%	0.0%	0.0%

unregulated Index B
4202
18168
18774
28423
16970
22918
16227
951
1611
8415
10074
3494
2040
9786
26226
583
216
41637
17744
33254

BUFFALO CREEK

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **FALL**

October & November

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	333.8%	187.9%	117.0%	106.8%	260.0%	161.6%	130.2%	112.3%	104.1%	100.6%	124.8%	119.7%	115.1%	110.8%	106.9%
	SSVEG	137.7%	134.6%	114.9%	107.6%	138.1%	132.7%	122.7%	112.7%	105.8%	101.2%	114.8%	112.4%	109.7%	107.1%	104.8%
	SSWOOD	134.3%	132.1%	114.0%	107.1%	134.9%	130.5%	121.4%	111.9%	105.4%	101.1%	113.9%	111.4%	109.2%	106.7%	104.4%
	SSCOARSE	135.1%	134.5%	123.8%	112.5%	137.1%	134.0%	128.9%	121.6%	108.7%	101.8%	117.5%	114.7%	112.0%	108.7%	105.7%
	SSFINENC	129.7%	131.8%	120.4%	110.2%	131.6%	131.8%	126.7%	117.8%	107.2%	101.2%	115.9%	113.3%	110.6%	108.0%	105.2%
	SFLOWVEL	57.8%	81.3%	118.9%	115.1%	66.1%	88.8%	109.9%	119.0%	112.0%	109.1%	99.0%	99.9%	100.7%	100.8%	101.1%
	SFMODEVEL	27.4%	53.1%	88.8%	98.8%	35.8%	61.1%	78.0%	91.8%	101.5%	107.0%	83.9%	86.8%	89.8%	92.7%	95.5%
	SFHIVEL	12.6%	41.2%	54.4%	76.7%	23.2%	46.6%	48.4%	57.9%	85.9%	95.7%	68.8%	73.7%	78.9%	84.0%	89.4%
Deep	DSCOV	68.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	DSCOV2	57.4%	76.9%	102.7%	104.0%	63.8%	83.0%	97.1%	103.8%	104.3%	103.9%	94.9%	96.1%	97.3%	98.2%	98.8%
	DSNC	26.7%	52.2%	109.9%	112.3%	28.4%	62.5%	99.7%	110.9%	111.8%	116.0%	86.9%	89.8%	94.3%	96.2%	97.9%
	DDFINE	12.3%	27.8%	58.9%	76.0%	17.4%	32.5%	48.4%	62.5%	80.0%	94.8%	65.9%	71.7%	77.1%	82.8%	88.5%
	DFGRCOB	0.0%	2.6%	37.4%	61.2%	0.0%	4.3%	22.1%	42.7%	67.4%	85.9%	49.1%	57.1%	65.5%	74.3%	82.8%
	DFCOARSE	34.0%	48.2%	76.0%	85.7%	38.1%	52.9%	66.9%	78.7%	88.0%	94.9%	76.9%	80.6%	84.5%	88.5%	92.3%
Other	AMSS2	5.9%	21.1%	67.9%	84.3%	9.3%	27.1%	50.4%	72.0%	88.5%	98.1%	67.1%	72.0%	78.6%	84.3%	89.9%
	ROBRHS															
	GORHA	25.9%	44.1%	87.1%	93.8%	31.0%	50.6%	74.1%	89.7%	94.9%	99.5%	80.3%	84.0%	87.7%	91.1%	94.2%
	GORHJ	14.8%	31.9%	79.6%	89.4%	19.9%	38.9%	64.4%	83.3%	90.3%	98.1%	73.6%	78.2%	82.9%	87.5%	91.7%
	AMSS4															
	EPHEM	62.1%	81.9%	105.1%	105.3%	69.3%	87.5%	99.9%	105.6%	105.3%	104.6%	96.4%	97.5%	98.2%	99.0%	99.3%
	PLECO	31.9%	63.3%	101.2%	103.9%	42.6%	72.3%	92.4%	102.5%	104.7%	105.2%	91.2%	93.3%	95.2%	96.8%	97.7%
	TRIC1	60.4%	78.5%	99.6%	101.2%	67.1%	83.4%	94.6%	100.3%	101.6%	102.2%	94.6%	95.9%	96.8%	97.8%	98.7%
	MACLR															
	AVERAGE	68.4%	76.2%	93.9%	97.6%	70.7%	79.1%	88.8%	94.9%	98.4%	101.0%	90.8%	92.5%	94.2%	95.8%	97.2%
	MEDIAN	45.7%	70.1%	100.6%	102.5%	53.2%	77.6%	95.9%	101.4%	102.8%	101.1%	92.9%	94.6%	96.0%	97.3%	98.3%
	MINIMUM	0.0%	2.6%	37.4%	61.2%	0.0%	4.3%	22.1%	42.7%	67.4%	85.9%	49.1%	57.1%	65.5%	74.3%	82.8%
	MAXIMUM	333.8%	187.9%	123.8%	115.1%	260.0%	161.6%	130.2%	121.6%	112.0%	116.0%	124.8%	119.7%	115.1%	110.8%	106.9%

BUFFALO CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
 If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **WINTER**

Dec - March

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1														
	SFMODVEL	1		1		1	1	1								
	SFHIVEL	1	1	1		1	1	1	1	1	1	1				
Deep	DSCOV	1														
	DSCOV2	1				1										
	DSNC	1				1	1									
	DFFINE	1	1	1		1	1	1	1	1	1	1				
	DFGRCOB	1	1	1		1	1	1	1	1	1	1	1			
	DFCOARSE	1	1	1		1	1	1	1	1	1	1				
Other	AMSS2	1	1	1		1	1	1	1	1	1					
	ROBRHS															
	GORHA	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01						
	GORHJ	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01				
	AMSS4															
	EPHEM	1				1										
	PLECO	1				1	1									
	TRIC1	1				1										
	MACLR															
	Total out of 19		12.02	4.02	5.02	0	10.02	7.02	5.02	4.02	4.02	4.01	4.01	1	0	0
total > 1000 WUA		12	4	5	0	10	7	5	4	4	4	4	1	0	0	0
total < 1000 WUA		2	2	2	0	2	2	2	2	2	1	1	0	0	0	0
Total out of 19		14	6	7	0	12	9	7	6	6	5	5	1	0	0	0
% for just this season		73.7%	31.6%	36.8%	0.0%	63.2%	47.4%	36.8%	31.6%	31.6%	26.3%	26.3%	5.3%	0.0%	0.0%	0.0%
% weighted equally for each season		18.4%	7.9%	9.2%	0.0%	15.8%	11.8%	9.2%	7.9%	7.9%	6.6%	6.6%	1.3%	0.0%	0.0%	0.0%
% > 1000 WUA		15.8%	5.3%	6.6%	0.0%	13.2%	9.2%	6.6%	5.3%	5.3%	5.3%	5.3%	1.3%	0.0%	0.0%	0.0%
% < 1000 WUA		2.6%	2.6%	2.6%	0.0%	2.6%	2.6%	2.6%	2.6%	2.6%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
2668
12160
12893
16542
11008
17567
19179
1746
1616
8293
9147
6402
4816
16390
42947
793
351
39451
18028
34384

BUFFALO CREEK

Table shows percentage of unregulated Index B value achieved by flow scenario

 Season **WINTER**

December - March

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	525.8%	174.2%	175.4%	105.6%	409.4%	254.5%	201.4%	164.6%	143.4%	131.6%	127.3%	121.7%	116.6%	111.8%	107.5%
	SSVEG	205.7%	163.6%	167.4%	107.5%	206.3%	198.2%	182.3%	162.7%	145.2%	130.8%	126.6%	121.3%	116.5%	111.9%	107.7%
	SSWOOD	195.6%	158.7%	162.2%	107.2%	196.5%	190.0%	175.9%	157.8%	141.8%	128.4%	124.7%	119.8%	115.3%	111.1%	107.2%
	SSCOARSE	232.1%	196.0%	209.6%	106.4%	235.6%	230.2%	221.2%	204.3%	165.8%	140.6%	138.1%	130.1%	123.0%	116.4%	110.4%
	SSFINENC	199.9%	172.8%	182.4%	104.3%	202.8%	203.2%	194.8%	176.7%	148.5%	129.0%	128.1%	122.2%	116.9%	112.0%	107.6%
	SFLOWVEL	75.4%	148.5%	159.5%	110.0%	86.2%	115.8%	145.0%	159.8%	146.2%	138.8%	123.1%	119.5%	115.3%	111.6%	107.7%
	SFMODEVEL	23.2%	81.3%	78.5%	110.2%	30.3%	51.7%	66.8%	82.2%	96.0%	105.9%	96.0%	97.5%	98.6%	99.4%	99.8%
	SFHIVEL	6.9%	40.1%	30.8%	104.1%	12.7%	25.4%	26.4%	33.6%	59.9%	71.2%	76.3%	81.5%	86.0%	90.2%	93.6%
Deep	DSCOV	68.2%	99.7%	99.7%	99.1%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%	99.5%	99.4%	99.4%	99.4%
	DSCOV2	58.3%	104.7%	106.5%	102.7%	64.7%	84.2%	99.3%	108.0%	109.1%	108.6%	103.0%	102.7%	102.2%	101.8%	101.3%
	DSNC	29.4%	119.0%	126.9%	106.1%	31.3%	68.9%	113.5%	128.4%	130.2%	140.0%	112.5%	110.7%	108.6%	106.7%	104.1%
	DDFINE	6.7%	39.5%	34.2%	101.6%	9.5%	17.8%	26.9%	37.1%	53.5%	70.6%	76.0%	81.1%	85.7%	89.9%	93.6%
	DFGRCOB	0.0%	23.8%	18.1%	94.3%	0.0%	1.8%	9.8%	21.4%	39.3%	56.0%	67.8%	74.3%	80.1%	85.7%	90.8%
	DFCOARSE	20.3%	49.7%	47.4%	89.6%	22.7%	31.6%	40.5%	49.7%	59.1%	67.8%	75.5%	79.9%	84.0%	88.2%	92.2%
Other	AMSS2	3.6%	48.8%	41.3%	97.0%	5.7%	16.3%	31.7%	48.6%	65.0%	78.3%	80.5%	84.6%	88.3%	91.7%	94.7%
	ROBRHS															
	GORHA	19.0%	66.7%	67.6%	95.0%	22.8%	37.2%	55.5%	70.4%	76.7%	83.9%	86.0%	88.8%	91.2%	93.6%	95.8%
	GORHJ	9.1%	52.4%	52.4%	88.6%	12.3%	23.9%	40.5%	55.8%	63.0%	73.2%	77.2%	81.2%	84.9%	88.6%	92.6%
	AMSS4															
	EPHEM	65.6%	110.5%	113.0%	104.4%	73.2%	92.3%	106.1%	113.8%	113.7%	112.2%	106.0%	105.1%	104.4%	103.4%	102.2%
	PLECO	31.4%	100.7%	102.8%	103.5%	42.0%	71.2%	92.0%	104.8%	108.2%	109.2%	102.1%	102.1%	101.8%	101.4%	101.1%
	TRIC1	58.4%	96.9%	98.2%	102.3%	64.9%	80.7%	92.1%	99.2%	101.1%	102.3%	99.8%	100.0%	100.2%	100.2%	100.2%
	MACLR															
AVERAGE		91.7%	102.4%	103.9%	102.0%	91.4%	94.7%	101.1%	104.0%	103.3%	103.9%	101.3%	101.2%	101.0%	100.7%	100.5%
MEDIAN		44.8%	100.2%	101.3%	103.8%	53.3%	75.9%	95.7%	102.2%	104.7%	107.2%	101.0%	101.1%	101.0%	100.8%	100.7%
MINIMUM		0.0%	23.8%	18.1%	88.6%	0.0%	1.8%	9.8%	21.4%	39.3%	56.0%	67.8%	74.3%	80.1%	85.7%	90.8%
MAXIMUM		525.8%	196.0%	209.6%	110.2%	409.4%	254.5%	221.2%	204.3%	165.8%	140.6%	138.1%	130.1%	123.0%	116.4%	110.4%